

A preliminary checklist of the wild silkmoths of Indonesia (New Guinea excluded) (Lepidoptera: Saturniidae)

Eine vorläufige Liste der wilden Seidenspinner Indonesiens
unter Ausschluss von Neu Guinea (Lepidoptera: Saturniidae)

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Key Words: Lepidoptera, Saturniidae, wild silkmoth, checklist, Indonesia.

Taxonomic notes: The collective-group names used in this contribution were established tentative for certain assemblages of taxonomic convenience, and they do not comply with the requirements for a valid description according to the provisions of the International Code of Zoological Nomenclature, 4th Edition (London) – ICZN (1999). In the application of group-names we follow Nässig (1989, 1991, and 1995), Holloway, Naumann & Nässig (1996), Paukstadt, Brosch & Paukstadt (1999a, 1999b), Paukstadt, Paukstadt & Brosch (1998), and Paukstadt, L. H. & Paukstadt, U. (2003).

Taxonomische Bemerkungen: Die vorläufige Einteilung der Taxa in Gruppen, so wie sie in diesem Beitrag durchgeführt wird, geschieht zur besseren Übersicht. Deren Namensgebung stimmt in der Regel nicht mit den Regeln und/oder Empfehlungen des International Code of Zoological Nomenclature, 4th Edition (London) – ICZN (1999) zur gültigen Beschreibung von Gruppen-Namen überein. In der Anwendung der Gruppen-Namen folgen wir Nässig (1989, 1991, and 1995), Holloway, Naumann & Nässig (1996), Paukstadt, Paukstadt & Brosch (1998), Paukstadt, Brosch & Paukstadt (1999a and 1999b) und Paukstadt, L. H. & Paukstadt, U. (2003).

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Zusammenfassung: Die derzeit für das indonesische Archipel anerkannten wilden Seidenspinner (Lepidoptera: Saturniidae) werden zusammen mit ihren Synonymen aufgelistet. Zusätzlich werden Angaben zur Verbreitung der Taxa gemacht. Die Saturniiden des indonesischen Teils der Insel Neu Guinea (West-Neuguinea, West-Papua), also die indonesischen Provinzen Papua und Irian Jaya Barat, werden hier ausdrücklich ausgeschlossen. Es werden aber die für Ost-Malaysia und Brunei bekannten Saturniiden mit aufgeführt, da davon ausgegangen werden kann ist, dass sie auch im indonesischen Teil der Insel Borneo (Kalimantan) verbreitet sind. Erst kürzlich erfolgten zahlreiche taxonomische Änderungen und Neubeschreibungen bei den Saturniiden des indonesischen Archipels, die in diesem Artikel mit derzeit aktuellem Status aufgenommen sind. Die kürzlich vorgenommenen Neubeschreibungen basierten auch auf DNA Barcoding innerhalb des BOLD Projekts (Canadian Centre for DNA Barcoding, Biodiversity Institute of Ontario, University of Guelph, Guelph, Ontario, Canada). Diese Scheckliste wurde notwendig, um eine Übersicht über die rezent für das indonesische Archipel anerkannten Taxa einschliesslich ihrer Synonyme zu erhalten. Es werden in dieser Arbeit einige taxonomische Änderungen und eine Lektotypendesignierung vorgenommen, die besonders kenntlich gemacht werden. Es wird deshalb keine zusätzliche Scheckliste zur Systematik in dieser Arbeit dargeboten. Die Scheckliste kann gelegentlich unvollständig sein, weil die taxonomische Bearbeitung einiger Gattungen beziehungsweise Artengruppen derzeit noch nicht abgeschlossen ist. Auf einige Neubeschreibungen in der nächsten Ausgabe der Beiträge zur Kenntnis der wilden Seidenspinner (Jahrgang 8 Heft 5) wird hier innerhalb des entsprechenden Abschnitts hingewiesen.

Introduction

The wild silkmoths (Lepidoptera: Saturniidae) which are presently recognized for the Indonesian Archipelago are presented herein. Junior synonyms and homonyms are listed, misspellings of names are excluded. Remarks on the distribution of the taxa are provided. The saturniid moths of the Indonesian part of the island of New Guinea are excluded because the status of many names remain uncertain and further major changes are expected. The Saturniidae of East Malaysia (Sabah, Sarawak) and Brunei are listed herein because the distribution most probably will cover the Indonesian part of Borneo (Kalimantan) as well. Very recently several taxonomic changes and new descriptions within the family Saturniidae BOISDUVAL, 1837 ("1834") were carried out by different authors. Some of the acts based on DNA barcoding within the BOLD project (Canadian Centre for DNA Barcoding, Biodiversity Institute of Ontario, University of Guelph, Guelph, Ontario, Canada). The checklist therefore is considered necessary to keep a general overview on the taxa of the wild silkmoths, which are presently recognized for the Indonesian Archipelago. A few taxonomic changes are made recognizable within this work. Therefore no further checklist on the systematics is provided for this work. The checklist might be occasionally incomplete because some genera / taxa are under investigation presently. The checklist reflects the present knowledge on the Saturniidae of the Indonesian Archipelago, but is considered to be preliminary and tentative regarding the status of a few taxa.

Checklist of the Saturniidae (Lepidoptera) of the Indonesian Archipelago (including Borneo but excluding of New Guinea)

Saturniidae BOISDUVAL, 1837 ("1834")

Saturniinae BOISDUVAL, 1837 ("1834")

Tribe Attacini BLANCHARD, 1840

***Attacus* LINNAEUS, 1767**

Phalaena Bombyx Atlas LINNAEUS, 1758; STATUS; type-species of *Attacus* LINNAEUS, 1767.

***atlas* (LINNAEUS, 1758); DISTRIBUTION;** Borneo, Sumatra, Java, Bali, and adjacent smaller islands, scattered records for the Moluccas might be based on mislabeled or introduced specimens. The taxonomic status of certain populations needs further investigation.

mannus FRUHSTORFER, 1904; STATUS; junior subjective synonym of *atlas* (LINNAEUS, 1758).

sumatranus FRUHSTORFER, 1904; STATUS; junior subjective synonym of *atlas* (LINNAEUS, 1758).

simalurana WATSON, 1915; STATUS; junior subjective synonym of *atlas* (LINNAEUS, 1758).

simplex BOUVIER, 1936; STATUS; junior subjective synonym of *atlas* (LINNAEUS, 1758).

triumphator FRUHSTORFER, 1904; STATUS; junior subjective synonym of *atlas* (LINNAEUS, 1758).

roseus FRUHSTORFER, 1904; STATUS; junior subjective synonym of *atlas* (LINNAEUS, 1758).

ab. *interruptus-conjunctus* GSCHWANDNER, 1920; STATUS; infrasubspecific.

ab. *bifenestratus* GSCHWANDNER, 1920; STATUS; infrasubspecific.

ab. *trifenestratus* GSCHWANDNER, 1920; STATUS; infrasubspecific.

javanensis BOUVIER, 1932; STATUS; junior subjective synonym of *atlas* (LINNAEUS, 1758).

javanensis BOUVIER, 1936; STATUS; junior homonym of *javanensis* BOUVIER, 1936 and junior subjective synonym of *atlas* (LINNAEUS, 1758).

atlas pallida pallida BOUVIER, 1936; STATUS; quadrinomial [infrasubspecific].

baliensis JURRIAANSE & LINDEMANS, 1921; STATUS-; junior subjective synonym of *atlas* (LINNAEUS, 1758).

rotundus JURRIAANSE & LINDEMANS, 1920; STATUS; junior subjective synonym of *atlas* (LINNAEUS, 1758); misinterpretation.

***crameri* C. FELDER in von Frauenfeld, 1861; DISTRIBUTION; Ambon, Seram, Buru.**

amboinensis HUTTON, 1863; STATUS; junior subjective synonym of *crameri* C. FELDER in von Frauenfeld, 1861.

***dohertyi* W. ROTHSCILD, 1895; DISTRIBUTION; Timor, Damar, Romang.**

***aurantiacus* W. ROTHSCILD, 1895; DISTRIBUTION; Key Archipelago, unproven new record from the Banda Archipelago.**

atlantis STRAND (nec WATSON), 1913; STATUS; primary objective homonym of *atlantis* WATSON, 1910.

aurola SKELL, 1942; STATUS; unjustified emendation for *atlantis* STRAND (nec WATSON), 1913.

***erebus* FRUHSTORFER, 1904; DISTRIBUTION, Sulawesi.**

***inopinatus* JURRIAANSE & LINDEMANS, 1920**; DISTRIBUTION; Flores, Sumba, Sumbawa, Lombok.
soembanus ROEPKE, 1933; STATUS; junior subjective synonym of *inopinatus* JURRIAANSE & LINDEMANS, 1920.
dammermani ROEPKE, 1958; STATUS; junior subjective synonym of *inopinatus* JURRIAANSE & LINDEMANS, 1920.
***intermedius* JURRIAANSE & LINDEMANS, 1920**; DISTRIBUTION; Tanimbar Archipelago, Babar Archipelago.
***paraliae* PEIGLER, 1985**; DISTRIBUTION; Banggai Archipelago, Sula Archipelago.
***suparmani* PAUKSTADT & PAUKSTADT, 2002**; DISTRIBUTION; Alor Island.

***Coscinocera* BUTLER, 1879**

Attacus hercules MISKIN, 1875; STATUS; type-species of *Coscinocera* BUTLER, 1879.
rothschildi LE MOULT, 1933; DISTRIBUTION; Halmahera.
jakli NAUMANN, 2009; DISTRIBUTION; Obi Island.
aruensis BRECHLIN, 2010 rev. stat.; STATUS; re-instated in species rank; DISTRIBUTION; Aru Archipelago.
aruensis NAUMANN & LÖFFLER, 2010 syn. nov.; STATUS; junior homonym of *aruensis* BRECHLIN, 2010; **NEW SYNONYM**; junior subjective synonym of *aruensis* BRECHLIN, 2010.

***Archaeoattacus* WATSON in Packard in Cockerell, 1914**

Attacus edwardsii WHITE, 1859; STATUS; type-species of *Archaeoattacus* WATSON in Packard in Cockerell, 1914.
***edwardsii* (WHITE, 1859)**; DISTRIBUTION, a very few scattered records for Borneo.
malayanus (KUROSAWA & KISHIDA, 1985 [“1984”]); STATUS; junior subjective synonym of *edwardsii* (WHITE, 1859) for the populations from the Malay Peninsula.
***staudingeri* (W. ROTHSCCHILD, 1895)**; DISTRIBUTION; Borneo, Sumatra, Java.

***Samia* HÜBNER, 1819 (“1816”)**

Phalaena cynthia DRURY, 1773; STATUS; type-species of *Samia* HÜBNER, 1819 (“1816”).
Philosamia GROTE, 1874; STATUS; junior objective synonym of *Samia* HÜBNER, 1819 (“1816”).

insularis (SNELLEN VAN VOLLENHOVEN, 1862); DISTRIBUTION; Java, Sumatra.
erythrinae GUERIN-MENEVILLE, 1862; STATUS; nomen nudum.
vaneeckeii (WATSON, 1913); STATUS; junior subjective synonym of *insularis* (SNELLEN VAN VOLLENHOVEN, 1862).
cynthia walkeri f. *radiata* (CLOSS, 1917); STATUS; quadrinominal [infrasubspecific].
vollenhoveni (BOUVIER, 1927); STATUS; junior objective synonym of *insularis* (SNELLEN VAN VOLLENHOVEN, 1862).
vandenberghi (WATSON, 1915); DISTRIBUTION; Sulawesi.
tetrica borneensis (REBEL, 1925) **stat. rev.**; **REMOVAL-FROM-SYNONYMY**; with *Samia tetrica* (REBEL, 1924); DISTRIBUTION; Borneo and adjacent smaller islands in the Java Sea.
Remarks: we herewith remove *borneensis* (REBEL, 1925) from synonymy with *tetrica* (REBEL, 1924) and prefer the subspecific status for *tetrica* and *borneensis* because of their obvious close affinities and their allopatric distributions in the central Sundaland region. Both subspecies are well distinguishable in the male habitus and the DNA barcodes (of BOLD).
yayukae PAUKSTADT, PEIGLER & PAUKSTADT, 1993; DISTRIBUTION; Flores.
peigleri NAUMANN & NÄSSIG, 1995; DISTRIBUTION; Sulawesi.
naumanni PAUKSTADT, PEIGLER & PAUKSTADT, 1998; DISTRIBUTION; Banggai Archipelago, Sula Archipelago.
abrerai NAUMANN & PEIGLER, 2001; DISTRIBUTION; Bali and Java.
naessigi NAUMANN & PEIGLER, 2001; DISTRIBUTION; Halmahera.
kikibudiamini PAUKSTADT, PAUKSTADT & SUHARDJONO, 2002; DISTRIBUTION; Alor and Timor.
burica BRECHLIN, 2007; DISTRIBUTION; Buru.

Tribe Saturniini BOISDUVAL, 1837 (“1834”)

Actias LEACH in Leach & Nodder, 1815

Phalaena luna Linnaeus, 1758; STATUS; type-species of *Actias* LEACH in Leach & Nodder, 1815
maenas-group (sensu Nässig 1994); STATUS; tentative collective group-name
maenas (DOUBLEDAY, 1847)
maenas diana MAASSEN in Maassen [& Weymer], 1872; DISTRIBUTION; Java and Bali.
rosenbergii (KAUP, 1866); STATUS; species inquirenda.
rieli (TESTOUT, 1942); STATUS; species inquirenda.

Remarks on *rosenbergii* and *rieli*: both taxa were described from the island of Ambon, Moluccas Province (Maluku), Indonesia. The descriptions of both taxa most likely were based on either mislabeled (cf. Nässig 1994) or introduced specimens (cf. Paukstadt, L. H. & Paukstadt, U. 2000) because no further specimens of the genus *Actias* LEACH in Leach & Nodder, 1815 were observed on the islands of Ambon and Seram thus far. Nässig, Lampe & Kager (1996) treated *rieli* as a junior synonym of *rosenbergii* because both taxa were considered to be conspecific by nearly all authors. We have to point out that the name *rieli* constitutes a junior synonym of *rosenbergii* only, if both specimens on which the names were based are either definitively originated from the island of Ambon, which is highly unlikely, or originated from one or two other location(s) which are occupied by the same taxon. Since the origin of the type material is considered to be doubtful *rosenbergii* and *rieli* are treated herein as species inquirendae. Further studies might either reveal that *rosenbergii* and *rieli* are from the island of Ambon or from the same location outside of Ambon. In this case *rieli* should be treated as a junior synonym of *rosenbergii*, or, that *rosenbergii* and *rieli* are from different locations outside of Ambon, in this case both taxa might be even distinct. Of course, in the latter case the name *rieli* will constitute no junior synonym of *rosenbergii*. The female holotype of *rosenbergii* was figured in color by Kaup (1866) in the original description. Specimens similar to the illustration might be from the islands of Java or Sumatra, and those from the island of Java belong to the subspecies *diana* MAASSEN in Maassen [& Weymer], 1872. If further studies might reveal that *rosenbergii* and *diana* are conspecific, the name *rosenbergii* even will have priority above *diana*.

***maenas saja* VAN EECKE, 1913; LECTOTYPE-DESIGNATED;**
DISTRIBUTION; Sumatra.

Remarks: presently *saja* VAN EECKE, 1913 is considered to be distinct on subspecific level from the nominotypical subspecies of *maenas* and from *maenas diana*, cf. Paukstadt, U. & Paukstadt, L. H. (2010). Though the syntype series of *saja* contains specimens from the islands of Java and Sumatra no lectotype of *saja* was designated thus far. We herewith designate a lectotype of *Actias maenas* var. *saja* VAN EECKE, 1913 to obtain stability in nomenclature. The ♂ specimen from Solok (Sumatra), which is figured in the original description by VAN EECKE (1913) is herewith selected as lectotype of *Actias maenas* var. *saja* VAN EECKE, 1913. The locus typicus of *maenas saja* VAN EECKE, 1913 is herewith fixed to Solok, Sumatra, Indonesia. Concluded from text the description based on a ♂ and two ♀ syntypes; a ♂ from Solok, Sumatra (=Prov. West Sumatra) and a ♀ from Tjintjiroean, Java (=Prov. West Java) were illustrated by van Eecke (1913). All three specimens were located in Coll. Museum Naturalis (Leiden). The second ♀ specimen mentioned by van Eecke (1913) is from Soerian, Makan Tandjung, SW Sum. (=Prov. West Sumatra), 1915, P. O. Stolz. Both ♀ specimens become paralectotypes. Lectotype and paralectotype labels are placed to the specimens accordingly.

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History (Leiden, The Netherlands) for searching for the syntypes of *saja* VAN EECKE, 1913 and forwarding pictures to us, Dr. Wolfgang A. Nässig, Senckenberg Museum / SMFL (Frankfurt am Main, Germany) did assist with literature.

maenas recta (BOUVIER, 1928); STATUS; junior subjective synonym of *maenas saja* VAN EECKE, 1913.

isis (SONTHONNAX, 1897 ["1899"]); DISTRIBUTION; Sulawesi.

groenendaeli ROEPKE, 1954; DISTRIBUTION; Flores.

groenendaeli acutapex KISHIDA, 2000; DISTRIBUTION; Sumba.

groenendaeli timorensis PAUKSTADT, PAUKSTADT & ROUGERIE, 2010; DISTRIBUTION; Timor.

groenendaeli sumbawaensis PAUKSTADT, PAUKSTADT & ROUGERIE, 2010; DISTRIBUTION; Sumbawa.

selene-group (sensu Nässig 1994); STATUS; tentative collective group-name.

selene seitzi KALIS, 1934; DISTRIBUTION; Java.

selene miae TOXOPEUS, 1944; STATUS; junior subjective synonym of *seitzi* KALIS, 1934.

selene vandenberghi ROEPKE, 1956; DISTRIBUTION; Sumatra.

Remarks: the populations of *selene* from Java and Sumatera are hardly distinguishable by DNA-analysis but are clearly distinct in the morphology of the male genitalia. Therefore we presently recognize the populations from the islands of Java and Sumatra as distinct on subspecific level.

***Cricula* WALKER, 1855**

Saturnia trifenestrata HELFER, 1837; STATUS; type-species of *Cricula* WALKER, 1855.

trifenestrata-group (sensu Nässig 1995); STATUS; tentative collective group-name.

trifenestrata javana WATSON, 1913; DISTRIBUTION; Java, Borneo.

Remarks: Nässig (1989) designated a ♂ lectotype of *trifenestrata javana* WATSON, 1913 from the island of Java, East Java, Malang. The locus typicus therefore was fixed to Malang (Java).

bornea WATSON, 1913; STATUS; needs investigation; DISTRIBUTION; Borneo.

trifenestrata kransi JURRIAANSE & LINDEMANS, 1920; DISTRIBUTION; Sulawesi.

trifenestrata serama NÄSSIG, 1989; DISTRIBUTION; Seram, Ambon, Buru.

trifenestrata banggaiensis NAUMANN & PAUKSTADT, 1997; DISTRIBUTION; Banggai Archipelago.

***trifenestrata tenggarensis* PAUKSTADT, PAUKSTADT & SUHARDJONO, 1998**; DISTRIBUTION; Sumba, Flores, Sumbawa, Lombok, Bali.
Remarks: the new record of *tenggarensis* for the island of Bali was based on DNA barcoding within the BOLD project (Canadian Centre for DNA Barcoding, Biodiversity Institute of Ontario, University of Guelph, Guelph, Ontario, Canada). Records of *trifenestrata javana* WATSON, 1913 for the island of Bali therefore were based on misinterpretations and are in fact *trifenestrata tenggarensis* PAUKSTADT, PAUKSTADT & SUHARDJONO, 1998.

***trifenestrata halmaheraensis* PAUKSTADT & PAUKSTADT, 2010**; DISTRIBUTION; Halmahera.

***hayatae* PAUKSTADT & SUHARDJONO, 1992**; DISTRIBUTION; Flores, Timor.

***maxalorensis* NAUMANN & LÖFFLER, 2010**; DISTRIBUTION; Alor Island.

***kalimantanensis* BRECHLIN, 2010**; STATUS; the placement within the *trifenestrata*-group (sensu Nässig 1995) is considered to be tentative because the appropriate male adult remains unknown; DISTRIBUTION; Borneo.
Remarks: Naumann (2010) assumed that *kalimantanensis* BRECHLIN, 2010 to be the appropriate (unknown) female of *bornea* WATSON, 1913.

***trifenestrata* subsp. nov.**; DISTRIBUTION; Sumatra.
Remarks: description of the new subspecies in *Beiträge zur Kenntnis der wilden Seidenspinner* Vol. 8 (5).

***elaezia*-group (sensu Nässig 1995)**; STATUS; tentative collective group-name.

***elaezia* JORDAN, 1909**; DISTRIBUTION; western Java, southern Borneo.
vinosa WATSON, 1912; STATUS; junior subjective synonym of most probably *elaezia* JORDAN, 1909.

afenestrata WATSON, 1913; STATUS; junior subjective synonym of *elaezia* JORDAN, 1909.

elaezia buruensis JORDAN, 1939; STATUS; presently treated as junior subjective synonym of *elaezia* JORDAN, 1909.

***sumatrensis* JORDAN, 1939**; DISTRIBUTION; Sumatra.

***quinquefenestrata* ROEPKE, 1940**; DISTRIBUTION; Sulawesi.

***pelengensis* PAUKSTADT & PAUKSTADT, 2009**; DISTRIBUTION; Bali, and probably eastern Java (under investigation).

baliensis NAUMANN & LÖFFLER, 2010; STATUS; junior subjective synonym of *pelengensis* PAUKSTADT & PAUKSTADT, 2009.

***elaeziosumatrana* BRECHLIN, 2010**; DISTRIBUTION; Sumatra.

separata NAUMANN & LÖFFLER, 2010; STATUS; junior subjective synonym of *elaeziosumatrana* BRECHLIN, 2010.

elaezioborneensis BRECHLIN, 2010; DISTRIBUTION; Borneo (East Malaysia, Brunei, and central part of Borneo).
magnifenestrata NAUMANN & LÖFFLER, 2010; STATUS; junior subjective synonym of *elaezioborneensis* BRECHLIN, 2010.

***Antheraea* HÜBNER, 1819 (“1816”)**

Phalaena mylitta DRURY, 1773; STATUS; type-species of *Antheraea* HÜBNER, 1819 (“1816”)

***Antheraea* (*Antheraea*) HÜBNER, 1819 (“1816”)**

Antheraea HÜBNER, 1819 (“1816”); STATUS; subgenus of *Antheraea* HÜBNER, 1819 (“1816”)

mylittal/frithi-group (sensu Paukstadt, Brosch & Paukstadt 1999); STATUS; tentative collective group-name.

paphia/frithi-group (sensu Nässig 1991); STATUS; tentative collective group name based on a misinterpretation [partim].

frithi-subgroup (sensu Nässig 1991); STATUS; tentative collective group-name.

jana (STOLL, 1782); DISTRIBUTION; Java, Bali, Lombok, Sumbawa.
tenggarensis BRECHLIN, 2000; STATUS; presently recognized as a junior subjective synonym of *jana* (STOLL, 1782).

surakarta MOORE, 1862; STATUS; nomen nudum.

surakarta MOORE, 1892; STATUS; junior subjective synonym of *jana* (STOLL, 1782).

larissa (WESTWOOD, 1847); DISTRIBUTION; Java.

javanensis BOUVIER, 1928; STATUS; junior subjective synonym of *larissa* (WESTWOOD, 1847).

larissa ridlyi MOORE, 1892; DISTRIBUTION; Borneo, Sumatra.

rumphii C. FELDER in von Frauenfeld, 1861; DISTRIBUTION; Ambon, Seram, Buru.

buruensis BOUVIER, 1928; STATUS; junior subjective synonym of *rumphii* C. FELDER in von Frauenfeld, 1861.

ceramensis BOUVIER, 1930; STATUS; junior subjective synonym of *rumphii* C. FELDER in von Frauenfeld, 1861.

billitonensis MOORE, 1878; DISTRIBUTION; Billiton Island.

platessa ROTHSCILD, 1903; DISTRIBUTION; Borneo, Sumatra.

fusca ROTHSCILD, 1903; STATUS; junior subjective synonym of *platessa* ROTHSCILD, 1903.

dempoensis TOXOPEUS, [i.l.?]; STATUS; manuscript name.

celebensis WATSON, 1915; DISTRIBUTION; Sulawesi.

gswandneri NIEPELT, 1918; DISTRIBUTION; Sumatera, Borneo.

sumatrana NIEPELT, 1926; DISTRIBUTION; Sumatra.
prelarissa BOUVIER, 1928; STATUS; junior subjective synonym of *sumatrana* NIEPELT, 1926.
mylittoides BOUVIER, 1928; STATUS; junior subjective synonym of *sumatrana* NIEPELT, 1926.
moultoni WATSON, 1927; DISTRIBUTION; Borneo.
raffrayi BOUVIER, 1928; DISTRIBUTION; Java, Bali.
pasteuri BOUVIER, 1928; STATUS; needs investigation, likely a junior subjective synonym of *jana* (STOLL, 1782).
brunei ALLEN & HOLLOWAY, 1986; DISTRIBUTION; Borneo.
kelimutuensis PAUKSTADT, PAUKSTADT & SUHARDJONO, 1997; DISTRIBUTION; Flores.
ranakaensis PAUKSTADT, PAUKSTADT & SUHARDJONO, 1997; DISTRIBUTION; Flores.
zwicki NÄSSIG & TREADAWAY, 1997; DISTRIBUTION; Borneo.
samarindana TOXOPEUS, [i.l.?]; STATUS; manuscript name.
ulrichbroschi PAUKSTADT & PAUKSTADT, 1999; DISTRIBUTION; reports from Sumatra can be based on misinterpretations.
pelengensis BRECHLIN, 2000; DISTRIBUTION; Banggai Archipelago.
broschi NAUMANN, 2001; DISTRIBUTION; Borneo, records from Sumatra might be based on misinterpretations.
mentawai NÄSSIG, LAMPE & KAGER *in* Nässig, 2002; DISTRIBUTION; Mentawai Archipelago.
jakli NAUMANN, 2008; DISTRIBUTION; Siberut Island (Mentawai Archipelago).
kalangensis BRECHLIN & MEISTER, 2009; DISTRIBUTION; Sumatra.
sumbaensis NAUMANN, 2010; DISTRIBUTION; Sumba Island.
kalabahiensis NAUMANN, 2010; DISTRIBUTION; Alor Island, Pantar Island (Eastern Lesser Sunda Islands).
acehensis PAUKSTADT & PAUKSTADT, 2010; DISTRIBUTION; northern Sumatra.
cordifolia-subgroup (sensu Holloway, Naumann & Nässig 1996); STATUS; tentative collective group-name.
Carmenta WEYMER, 1906; STATUS; junior homonym of *Carmenta* Edwards, 1881 (Lepidoptera: Sesiidae).
cordifolia-“subunit” (sensu Holloway, Naumann & Nässig 1996); STATUS; cited in synonymy of *cordifolia*-subgroup (sensu Holloway, Naumann & Nässig 1996); tentative collective group-name.
cordifolia WEYMER, 1906; DISTRIBUTION; Sulawesi.
fickei WEYMER, 1909; STATUS; junior synonym of *cordifolia* WEYMER, 1906.

minahassae NIEPELT, 1926; DISTRIBUTION; Sulawesi.
paukstadorum NAUMANN, HOLLOWAY & NÄSSIG *in* Holloway, Naumann & Nässig, 1996; DISTRIBUTION; Sulawesi.
taripaensis NAUMANN, NÄSSIG & HOLLOWAY *in* Holloway, Naumann & Nässig, 1996; DISTRIBUTION; Sulawesi.
viridiscura HOLLOWAY, NÄSSIG & NAUMANN *in* Holloway, Naumann & Nässig, 1996; DISTRIBUTION; Sulawesi.
kageri PAUKSTADT, PAUKSTADT & SUHARDJONO, 1997; DISTRIBUTION; Sulawesi.
expectata BRECHLIN, 2000; DISTRIBUTION; Sulawesi.
paukpelengensis BRECHLIN & MEISTER, 2009; DISTRIBUTION; Banggai Archipelago.
helferi-group (sensu Nässig 1991); STATUS; tentative collective group-name.
helferi-subgroup (sensu Paukstadt, Paukstadt & Brosch 1998); STATUS; tentative collective group-name.
helferi MOORE, 1859
helferi MOORE *in* Horsfield & Moore, 1860; STATUS; redescription of *helferi* MOORE, 1859.
borneensis MOORE, 1892; DISTRIBUTION; Borneo, Sumatra.
imperator WATSON, 1913; DISTRIBUTION; Java.
javanensis BOUVIER, 1930; STATUS; junior homonym of *javanensis* BOUVIER, 1928.
subcaeca BOUVIER, 1936; STATUS; infrasubspecific; junior homonym of *subcaeca* BOUVIER, 1928.
pratti BOUVIER, 1928; DISTRIBUTION; Sumatra, unproven single record for Java.
rosemariae HOLLOWAY, NÄSSIG & NAUMANN, 1995; DISTRIBUTION; Sulawesi.
cihangiri NAUMANN & NÄSSIG *in* Naumann & Nässig, 1998; DISTRIBUTION; Banggai Archipelago.
hollowayi NÄSSIG & NAUMANN *in* Naumann & Nässig, 1998; DISTRIBUTION; Seram.
cadioui NAUMANN, 2010; DISTRIBUTION; Mentawai Archipelago.
rolfei NAUMANN & LÖFFLER, 2010; DISTRIBUTION; Taliabu Island (Sula Archipelago).
löffleri NAUMANN, 2010; DISTRIBUTION; Obi Island (Moluccas).
yamamai-subgroup (sensu Paukstadt, Paukstadt & Brosch 1998); STATUS; invalid collective group-name.

diehli LEMAIRE, 1979; DISTRIBUTION; Borneo, Sumatra, unproven records for Java.

pernyi-group (sensu Nässig 1991); STATUS; tentative collective group-name

(*pernyi*) *roylii roylii* MOORE, 1859; STATUS; superspecies-concept (sensu Nässig, Lampe & Kager 1996); concluded from text the superspecies-concept was mainly based on the ICZN (1985) Art. 6b and Art. 10e, and Recommendation 6B but the appropriate articles and the recommendation were not followed strictly.

korintjiana BOUVIER, 1928; DISTRIBUTION; Sumatra.

(*pernyi*) *roylii korintjiana* BOUVIER, 1928; STATUS; superspecies-concept (sensu Nässig, Lampe & Kager 1996); concluded from text the superspecies-concept was mainly based on the ICZN (1985) Art. 6b and Art. 10e, and Recommendation 6B but the appropriate articles and the recommendation were not followed strictly.

subcaeca BOUVIER, 1928; STATUS; needs further investigation [the description based on a ♀ singleton, which might be placed to either *lampei* NÄSSIG & HOLLOWAY, 1989 or more likely *korintjiana* BOUVIER, 1928 while the ♀ of *korintjiana* illustrated in the same work by Bouvier (1928) actually can be a misinterpretation].

lampei NÄSSIG & HOLLOWAY, 1989; DISTRIBUTION; Borneo, Sumatra.

jawabaratensis BRECHLIN & PAUKSTADT, 2010; DISTRIBUTION; Java.

***Antheraea (Antheraeopsis)* WOOD-MASON, 1886**

***Antheraeopsis* WOOD-MASON, 1886**; STATUS; subgenus of *Antheraea* HÜBNER, 1819 (“1816”).

Saturnia assama WESTWOOD, 1848; STATUS; type-species by monotypy of *Antheraeopsis* WOOD-MASON, 1886; junior subjective synonym of *Saturnia assamensis* HELFER, 1837.

youngi-group (sensu Nässig 1991); STATUS; tentative collective group-name.

youngi WATSON, 1915; DISTRIBUTION; Borneo.

brunnea VAN ECKE, 1921; DISTRIBUTION; Sumatra.

dempoensis TOXOPEUS, (i.l.?); STATUS; nomen nudum.

rubiginea TOXOPEUS, 1940; DISTRIBUTION; Java.

***Antheraea (Loepantheraea)* TOXOPEUS, 1940**

Loepantheraea rosieri TOXOPEUS, 1940; STATUS; type-species of *Loepantheraea* TOXOPEUS, 1940.

***Loepantheraea* TOXOPEUS, 1940**; STATUS; subgenus of *Antheraea* HÜBNER, 1819 (“1816”).

rosieri-group (sensu Nässig 1991); STATUS; senior synonym of “*Loepantheraea*”-group (sensu Nässig, Lampe & Kager 1996); tentative collective group-name.
“*Loepantheraea*”-group (sensu Nässig, Lampe & Kager 1996); STATUS; published in synonymy of the tentative collective group-name *rosieri*-group (sensu Nässig 1991); tentative collective group-name.
***rosieri* (TOXOPEUS, 1940); DISTRIBUTION;** Borneo, Sumatra.

***Loepa* MOORE, 1859**

Saturnia katinka WESTWOOD, 1848; STATUS; type species of *Loepa* MOORE, 1859

***megacore* JORDAN, 1911; DISTRIBUTION;** Sumatra.

***javanica* MELL, 1939; DISTRIBUTION;** Sumatra.

tobana TOXOPEUS [i.l.?]; STATUS; manuscript name; identity uncertain.

***minahassae* MELL, 1939; DISTRIBUTION;** northern Sulawesi.

katinka minahassae ab. *vandenberghi* ROEPKE, 1953; STATUS; quadrinomial [infrasubspecific].

***sumatrana* NÄSSIG, LAMPE & KAGER, 1989; DISTRIBUTION;** Sumatra.

***cynopsis* NÄSSIG & SUHARDJONO, 1989; DISTRIBUTION;** Java.

sp. nov.; DISTRIBUTION; Bali.

Remarks: description of the new species in *Beiträge zur Kenntnis der wilden Seidenspinner* Vol. 8 (5).

***diehli* BRECHLIN, 2010; DISTRIBUTION;** Sumatra.

***martinii* BRECHLIN & PAUKSTADT, 2010; DISTRIBUTION;** Borneo.

***finnackermanni* BRECHLIN, 2010; DISTRIBUTION;** southern and southeastern Sulawesi.

sp. nov.; DISTRIBUTION; Java [description in prep. (*sikkima*-complex)]

***Lemaireia* NÄSSIG & HOLLOWAY in Holloway, 1987**

Antheraea loepoides BUTLER, 1880; STATUS; type species of *Lemaireia* NÄSSIG & HOLLOWAY in Holloway, 1987.

***loepoides* (BUTLER, 1880); DISTRIBUTION;** Borneo, Sumatra.

***chrysopeplus* (TOXOPEUS, 1940); DISTRIBUTION;** Java, southern Kalimantan.

sp. nov.; DISTRIBUTION; Nanggroe Aceh Darussalam Province and North Sumatra Province; the status of the remaining populations from Sumatra needs investigation. You will find the description of this new species in this issue of *Beiträge zur Kenntnis der wilden Seidenspinner*.

***Opodiphthera* WALLENGREN, 1858**

Opodiphthera varicolor WALLENGREN, 1858; STATUS; type-species of *Opodiphthera* WALLENGREN, 1858.

varicolor WALLENGREN, 1858; STATUS; junior subjective synonym of *Opodiphthera astrophela* (WALKER, 1855) (*Antheraea*).

***jurriaansei* VAN EECKE, 1933**; DISTRIBUTION; Tanimbar Archipelago (Moluccas).

tenimberensis NIEPELT, 1934; STATUS; junior subjective synonym of *jurriaansei* VAN EECKE, 1933.

***Syntherata* MAASSEN in Maassen & Weymer, 1873**

Syntherata weymeri MAASSEN in Maassen & Weymer, 1873; STATUS; type-species of *Syntherata* MAASSEN in Maassen & Weymer, 1873.

***innescens* NAUMANN & BRECHLIN, 2001**; Distribution; Ambon, Seram, and Buru (Moluccas).

***sinjaevi* NAUMANN & BRECHLIN, 2001**; DISTRIBUTION; Halmahera (Moluccas).

***doboisensis* PAUKSTADT & PAUKSTADT, 2004**; DISTRIBUTION; Aru Archipelago (Moluccas).

***malukuensis* PAUKSTADT & PAUKSTADT, 2005**; DISTRIBUTION; Aru Archipelago (Moluccas).

***Neodiphthera* FLETCHER in Fletcher & Nye, 1982**

Opodiphthera papuana ROTHSCCHILD, 1904; STATUS; type-species of *Neodiphthera* FLETCHER in Fletcher & Nye, 1982.

***papuana*-group (sensu Paukstadt, Paukstadt & Suhardjono 2003)**; STATUS-; tentative collective group-name.

***sahulensis* PAUKSTADT, PAUKSTADT & SUHARDJONO, 2003**; DISTRIBUTION; Aru Archipelago, Kai Archipelago (Moluccas).

***sciron*-group (sensu Paukstadt, Paukstadt & Suhardjono 2003)**; STATUS-; tentative collective group-name.

***ceramensis* (BOUVIER, 1928)**; DISTRIBUTION; Ambon, Seram (Moluccas).

***aruensis* PAUKSTADT, PAUKSTADT & SUHARDJONO, 2003**; DISTRIBUTION; Aru Archipelago (Moluccas).

***buruensis* BRECHLIN, 2005**; DISTRIBUTION; Buru (Moluccas).

Remarks: the above checklist reflects the present knowledge on the Indonesian Saturniidae (New Guinea excluded). Further taxonomic studies and a better knowledge on the biology and ecology of the populations of the family Saturniidae BOISDUVAL, 1837 ("1834") might reveal in new results. The checklist is supposed to be updated if necessary at a later date.

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